

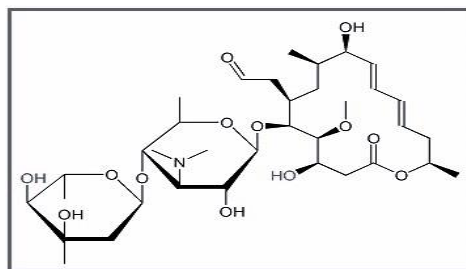
Analysis Date: 16-12-2025

Re-test Date: 16-12-2028

## JOSAMYCIN EP IMPURITY F

### Identification

<b>Chemical Name</b>	: (4R,5S,6S,7R,9R,10R,11E,13E,16R)-6-[[[3,6-Dideoxy-4-O-(2,6-dideoxy-3-C-methyl-a-L-ribo-hexopyranosyl)-3-(dimethylamino)-β-D-glucopyranosyl]oxy]-4,10-dihydroxy-5-methoxy-9,16-dimethyl-7-(2-oxoethyl)oxacyclohexadeca-11,13-dien-2-one
<b>CAT No</b>	: ALL-JAS-156
<b>CAS No</b>	: 22875-15-6
<b>Molecular Formula</b>	: C <sub>35</sub> H <sub>59</sub> NO <sub>13</sub>
<b>Molecular Weight</b>	: 701.84



### Analytical Information

<b>Batch Code</b>	: ALL-JAS-156	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.59%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20 <sup>o</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.484%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.947%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.484 + 0.947) \times 98.00] / 100 = 96.59\%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office